

GenCore version 5.1.4.p5.4578  
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OM protein - protein search, using sw model

Run on: March 13, 2003, 18:24:02 : Search time 12.9705 Seconds  
(Without alignments)  
719.096 Million cell updates/sec

Title: US-09-865-363-13  
Perfect score: 1685  
Sequence: 1 MRRASRDYTKYLRCSEMGCG.....LLDPDDATYFGAFKVRDID 317

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :  
1: /cgn2\_6/ptodata/2/1aa/5A.COMB.pep.\*  
2: /cgn2\_6/ptodata/2/1aa/5B.COMB.pep.\*  
3: /cgn2\_6/ptodata/2/1aa/5A.COMB.pep.\*  
4: /cgn2\_6/ptodata/2/1aa/5B.COMB.pep.\*  
5: /cgn2\_6/ptodata/2/1aa/PC10S.COMB.pep.\*  
6: /cgn2\_6/ptodata/2/1aa/backfiles1.pep.\*

Pred. NO. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed.  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1685	100.0	317	3	US-08-996-139-13
2	1685	100.0	317	4	US-08-995-659-13
3	1685	100.0	317	4	US-09-215-649A-13
4	1685	100.0	317	4	US-09-052-521C-4
5	1685	100.0	317	4	US-09-577-780-13
6	1417.5	84.1	316	2	US-08-842-842-7
7	1417.5	84.1	316	4	US-08-989-302-2
8	1417.5	84.1	316	4	US-09-052-521C-2
9	1336.5	78.7	294	3	US-08-996-139-11
10	1336.5	78.7	294	4	US-08-995-659-11
11	1326.5	78.7	294	4	US-09-215-649A-11
12	1326.5	78.7	294	4	US-09-577-780-11
13	1251.5	14.9	279	4	US-09-072-993C-3
14	1251.5	14.9	281	1	US-08-670-354-2
15	1251.5	14.9	281	3	US-08-584-031-1
16	1251.5	14.9	281	3	US-08-780-496-1
17	1251.5	14.9	281	4	US-08-883-086-10
18	1251.5	14.9	281	4	US-09-320-424-2
19	1251.5	14.9	281	4	US-09-333-593A-6
20	1251.5	14.9	281	4	US-09-157-864-11
21	1251.5	14.9	281	5	PCT-US96-10895-2
22	1248	14.7	291	1	US-08-670-354-6
23	1248	14.7	291	4	US-09-320-424-6
24	1248	14.7	291	5	PCT-US96-10895-6
25	1236.5	14.0	253	4	US-09-320-424-11
26	1236.5	14.0	256	4	US-09-320-424-13
27	1231.5	13.7	177	4	US-09-105-343A-7

28	1226.5	13.4	183	4	US-09-105-343A-8	Sequence 8, Appl1
29	1189	11.2	281	2	US-08-810-453-2	Sequence 2, Appl1
30	1189	11.2	281	3	US-08-815-190A-2	Sequence 2, Appl1
31	1189	11.2	281	4	US-09-290-640-25	Sequence 25, Appl1
32	1189	11.2	281	4	US-09-479-524-3	Sequence 3, Appl1
33	1189	11.2	281	4	US-08-339-214-3	Sequence 8, Appl1
34	1189	11.2	281	4	US-08-339-214-30	Sequence 30, Appl1
35	1189	11.2	281	4	US-09-589-287B-6	Sequence 6, Appl1
36	1189	11.2	281	4	US-09-157-864-10	Sequence 10, Appl1
37	1189	11.2	281	4	US-09-006-755B-1	Sequence 1, Appl1
38	1189	11.2	281	5	PCT-US95-00362-2	Sequence 2, Appl1
39	184.5	10.9	279	4	US-08-339-214-24	Sequence 24, Appl1
40	184.5	10.9	279	4	US-08-339-214-32	Sequence 32, Appl1
41	184.5	10.9	279	5	PCT-US95-00362-5	Sequence 5, Appl1
42	175.5	10.4	278	4	US-08-339-214-16	Sequence 16, Appl1
43	175.5	10.4	278	4	US-08-339-214-26	Sequence 26, Appl1
44	164.5	9.8	376	3	US-08-751-512-8	Sequence 8, Appl1
45	158.5	9.4	261	1	US-07-940-605A-2	Sequence 2, Appl1

## ALIGNMENTS

RESULT 1  
US-08-996-139-13  
Sequence 13, Application US/08996139  
Patent No. 6017729  
GENERAL INFORMATION:  
APPLICANT: Anderson, Dirk M.  
APPLICANT: Galibert, Laurent  
APPLICANT: Maraskovsky, Eugene  
TITLE OF INVENTION: Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Power Macintosh  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/996,139  
FILING DATE: 22 DECEMBER 1997  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USSN 60/064,671  
FILING DATE: 14 OCTOBER 1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USSN 08/813,509  
FILING DATE: 07 MARCH 1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USSN 08/772,330  
FILING DATE: 23 DECEMBER 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Peckins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2851-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430  
FAX: (206)233-0644  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 317 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-996-139-13

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Query Match      100.0%; Score 1685; DB 3; Length 317;
Best Local Similarity 100.0%; Pred. No. 1,4e-163;
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRASRDYTKLRGSEEGGPGAPHEGRLAAPPAPHPAPASRSFVALLGLGLOV 60
    |||
DB 1 MRASRDYTKLRGSEEGGPGAPHEGRLAAPPAPHPAPASRSFVALLGLGLOV 60
OY 61 VCSVALFFPFAQMDPNRISDGHCIYRLRLHENDFOPTTLESODTKLIPSCRRIK 120
    |||
DB 61 VCSVALFFPFAQMDPNRISDGHCIYRLRLHENDFOPTTLESODTKLIPSCRRIK 120
OY 121 QAFGAVOKELQHIIVGSOHRAEKAMVDGSLDLAKRSKLEAOPFAHLTINATDIPSGSH 180
    |||
DB 121 QAFGAVOKELQHIIVGSOHRAEKAMVDGSLDLAKRSKLEAOPFAHLTINATDIPSGSH 180
OY 181 KVSLSWYHDSGMAKISNMFPSNCKLIYNODGFYLLYANICFRHHETSGDLATYLOLMV 240
    |||
DB 181 KVSLSWYHDSGMAKISNMFPSNCKLIYNODGFYLLYANICFRHHETSGDLATYLOLMV 240
OY 241 VYTKTSIKIPSSHTLMKGSTKYWSGNSSEPHFYSINVGCFKLSGGEISTIEVSNPSLLD 300
    |||
DB 241 VYTKTSIKIPSSHTLMKGSTKYWSGNSSEPHFYSINVGCFKLSGGEISTIEVSNPSLLD 300
OY 301 PDDATYFGAFKVRDID 317
    |||
DB 301 PDDATYFGAFKVRDID 317

RESULT 2
US-08-995-659-13
; Sequence 13, Application US/08995659
; Patent No. 6242213
; GENERAL INFORMATION:
; APPLICANT: Anderson, Dirk M.
; APPLICANT: Galibert, Laurent
; APPLICANT: Maraskovsky, Eugene
; TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation, Law Department
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: Apple Power Macintosh
; SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/995,659
; FILING DATE: 22 DECEMBER 1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 60/064,671
; FILING DATE: 14 OCTOBER 1997
; CLASSIFICATION:
; APPLICATION NUMBER: USSN 08/813,509
; FILING DATE: 07 MARCH 1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 08/772,330
; FILING DATE: 23 DECEMBER 1996
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia Anne
; REGISTRATION NUMBER: 34,683
; REFERENCE/DOCKET NUMBER: 2852-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)587-0430

```

```

TELEFAX: (206)233-0644
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 317 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-995-659-13

Query Match      100.0%; Score 1685; DB 4; Length 317;
Best Local Similarity 100.0%; Pred. No. 1,4e-163;
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRASRDYTKLRGSEEGGPGAPHEGRLAAPPAPHPAPASRSFVALLGLGLOV 60
    |||
DB 1 MRASRDYTKLRGSEEGGPGAPHEGRLAAPPAPHPAPASRSFVALLGLGLOV 60
OY 61 VCSVALFFPFAQMDPNRISDGHCIYRLRLHENDFOPTTLESODTKLIPSCRRIK 120
    |||
DB 61 VCSVALFFPFAQMDPNRISDGHCIYRLRLHENDFOPTTLESODTKLIPSCRRIK 120
OY 121 QAFGAVOKELQHIIVGSOHRAEKAMVDGSLDLAKRSKLEAOPFAHLTINATDIPSGSH 180
    |||
DB 121 QAFGAVOKELQHIIVGSOHRAEKAMVDGSLDLAKRSKLEAOPFAHLTINATDIPSGSH 180
OY 181 KVSLSWYHDSGMAKISNMFPSNCKLIYNODGFYLLYANICFRHHETSGDLATYLOLMV 240
    |||
DB 181 KVSLSWYHDSGMAKISNMFPSNCKLIYNODGFYLLYANICFRHHETSGDLATYLOLMV 240
OY 241 VYTKTSIKIPSSHTLMKGSTKYWSGNSSEPHFYSINVGCFKLSGGEISTIEVSNPSLLD 300
    |||
DB 241 VYTKTSIKIPSSHTLMKGSTKYWSGNSSEPHFYSINVGCFKLSGGEISTIEVSNPSLLD 300
OY 301 PDDATYFGAFKVRDID 317
    |||
DB 301 PDDATYFGAFKVRDID 317

RESULT 3
US-09-215-649A-13
; Sequence 13, Application US/09215649A
; Patent No. 6271349
; GENERAL INFORMATION:
; APPLICANT: Anderson, Dirk M.
; APPLICANT: Galibert, Laurent
; APPLICANT: Maraskovsky, Eugene
; TITLE OF INVENTION: Receptor Activator of NF-kappaB
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation, Law Department
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: Apple Power Macintosh
; SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/215,649A
; FILING DATE: 17-Dec-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/996,139
; FILING DATE: <Unknown>
; APPLICATION NUMBER: USSN 08/813,509
; FILING DATE: 07 MARCH 1997
; APPLICATION NUMBER: USSN 08/772,330
; FILING DATE: 23 DECEMBER 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia Anne

```

REGISTRATION NUMBER: 34,693  
 REFERENCE/DOCKET NUMBER: 2851-A  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206)587-0430  
 TELEFAX: (206)233-0644  
 INFORMATION FOR SEQ ID NO: 13:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 317 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
 US-09-215-649A-13

Query Match 100.0%; Score 1685; DB 4; Length 317;  
 Best Local Similarity 100.0%; Pred. No. 1.4e-163;

Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRRASRDYTKYLRGSEEMGCGAPHECPHAPPPAPHPAPPAASRSMFVALLGLGLGV 60  
 DB 1 MRRASRDYTKYLRGSEEMGCGAPHECPHAPPPAPHPAPPAASRSMFVALLGLGLGV 60  
 OY 61 VCSVALFFYFRAQMDPNRISDGTHTCIYRILRLHENADFODTTLESQDTKLIPDSCRIR 120  
 DB 61 VCSVALFFYFRAQMDPNRISDGTHTCIYRILRLHENADFODTTLESQDTKLIPDSCRIR 120  
 OY 121 OAFQCAVOKELQHVGSOHIRAEKAMVDSWDLAKRSKLEQAPFAHLTINATDIPSGSH 180  
 DB 121 OAFQCAVOKELQHVGSOHIRAEKAMVDSWDLAKRSKLEQAPFAHLTINATDIPSGSH 180  
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 DB 181 KVSLSWYHDSGMAKISNMTFSGNGLIYNODGFYLLYANICFRHHETSGDLATEYLQLMV 240  
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 DB 241 VYTKTSIKIPSSHTLMKGGSTYWGSGNSEFHFYSINVGFFKLRSGEISIEVSNPSLLD 300  
 OY 301 PDODATYFGAFKVRDID 317  
 DB 301 PDODATYFGAFKVRDID 317

#### RESULT 4

US-09-052-521C-4  
 Sequence 4, Application US/09052521C  
 Patent No. 6316408  
 GENERAL INFORMATION:  
 APPLICANT: Boyle, William J.  
 TITLE OF INVENTION: Osteoprotegerin Binding Proteins and Receptors  
 FILE REFERENCE: A-451biv  
 CURRENT APPLICATION NUMBER: US/09/052,521C  
 CURRENT FILING DATE: 1998-03-30  
 PRIOR APPLICATION NUMBER: 08/880,855  
 PRIOR FILING DATE: 1997-06-23  
 PRIOR APPLICATION NUMBER: 08/842,842  
 PRIOR FILING DATE: 1997-04-16  
 NUMBER OF SEQ ID NOS: 40  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 4  
 LENGTH: 317  
 TYPE: prt  
 ORGANISM: Human  
 US-09-052-521C-4

Query Match 100.0%; Score 1685; DB 4; Length 317;  
 Best Local Similarity 100.0%; Pred. No. 1.4e-163;

Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRRASRDYTKYLRGSEEMGCGAPHECPHAPPPAPHPAPPAASRSMFVALLGLGLGV 60  
 DB 1 MRRASRDYTKYLRGSEEMGCGAPHECPHAPPPAPHPAPPAASRSMFVALLGLGLGV 60

OY 61 VCSVALFFYFRAQMDPNRISDGTHTCIYRILRLHENADFODTTLESQDTKLIPDSCRIR 120  
 DB 61 VCSVALFFYFRAQMDPNRISDGTHTCIYRILRLHENADFODTTLESQDTKLIPDSCRIR 120  
 OY 121 OAFQCAVOKELQHVGSOHIRAEKAMVDSWDLAKRSKLEQAPFAHLTINATDIPSGSH 180  
 DB 121 OAFQCAVOKELQHVGSOHIRAEKAMVDSWDLAKRSKLEQAPFAHLTINATDIPSGSH 180  
 OY 181 KVSLSWYHDSGMAKISNMTFSGNGLIYNODGFYLLYANICFRHHETSGDLATEYLQLMV 240  
 DB 181 KVSLSWYHDSGMAKISNMTFSGNGLIYNODGFYLLYANICFRHHETSGDLATEYLQLMV 240  
 OY 241 VYTKTSIKIPSSHTLMKGGSTYWGSGNSEFHFYSINVGFFKLRSGEISIEVSNPSLLD 300  
 DB 241 VYTKTSIKIPSSHTLMKGGSTYWGSGNSEFHFYSINVGFFKLRSGEISIEVSNPSLLD 300  
 OY 301 PDODATYFGAFKVRDID 317  
 DB 301 PDODATYFGAFKVRDID 317

#### RESULT 5

US-09-577-780-13  
 Sequence 13, Application US/09577780  
 Patent No. 6419929  
 GENERAL INFORMATION:

APPLICANT: Anderson, Dirk M.  
 Galibert, Laurent

TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

STREET: 51 University Street

CITY: Seattle

STATE: WA

COUNTRY: USA

ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: Apple Power Macintosh

OPERATING SYSTEM: Apple Operating System 7.5.5

SOFTWARE: Microsoft Word for Power Macintosh 6.0.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/577,780

FILING DATE: 24-May-2000

CLASSIFICATION: <unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/995,659

FILING DATE: <unknown>

APPLICATION NUMBER: USSN 08/813,509

FILING DATE: 07 MARCH 1997

APPLICATION NUMBER: USSN 08/772,330

FILING DATE: 23 DECEMBER 1996

ATTORNEY/AGENT INFORMATION:

NAME: Perkins, Patricia Anne

REGISTRATION NUMBER: 34,693

REFERENCE/DOCKET NUMBER: 2851-A

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206)587-0430

TELEFAX: (206)233-0644

INFORMATION FOR SEQ ID NO: 13:

SEQUENCE CHARACTERISTICS:

LENGTH: 317 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
 US-09-577-780-13

Query Match 100.0%; Score 1685; DB 4; Length 317;  
 Best Local Similarity 100.0%; Pred. No. 1.4e-163;

Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;





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Patent No. 6242213
GENERAL INFORMATION:
APPLICANT: Anderson, Dirk M.
APPLICANT: Galibert, Laurent
APPLICANT: Maraskovsky, Eugene
TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation, Law Department
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/995,659
FILING DATE: 22 DECEMBER 1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 60/064,671
FILING DATE: 14 OCTOBER 1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/813,509
FILING DATE: 07 MARCH 1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/772,330
FILING DATE: 23 DECEMBER 1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2852-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)233-0644
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 294 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-995-659-11

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Query Match      78.7%: Score 1326.5; DB 4; Length 294;
Best Local Similarity 84.5%: Pred. No. 4.4e-127;
Matches 250: Conservative 16; Mismatches 27; Indels 3; Gaps 2;

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DB	Sequence	Score	Length	Indels	Gaps
23	GAPHEGRLH-APPAPAPHPAPASRSMPFALLGLIGOVCSVALFFYFRAMDNRRISE	81			
1	GVPHEGRLHAPASAPAPAPASRSMPFALLGLIGOVCSVALFFYFRAMDNRRISE	60			
82	DGTHCIYRLRLHENAADPDOTLTLESODTKLIPDSRRIRKQAFQAGAVOKELQHVGSQHR	141			
61	DSTHCFYRLRLHENAADPDOTLTLESODTKLIPDSRRIRKQAFQAGAVOKELQHVGSQHR	118			
142	AEKAVDGSMLDLAKRSKLEAPAFALHTINATDIPSGSHKVSLSMYHNRGNAKISNMTF	201			
119	GAPAMMEGSLDVAORGRKPEAFALHTINASTIPSGSHKVSLSMYHNRGNAKISNMTL	178			
202	SNCKLLVNDGFFYYLYANICFRHNETSGDLATEYLQLMVYVTKTSIKIPSSHTLKKGST	261			
179	SNCKLLVNDGFFYYLYANICFRHNETSGDLATEYLQLMVYVTKTSIKIPSSHTLKKGST	238			
262	KYWSGNSFHFYSINVGCFKLRSGEETISVENPSLLDPDDATYFGAFKYVDID	317			
239	KYWSGNSFHFYSINVGCFKLRSGEETISVENPSLLDPDDATYFGAFKYVDID	294			

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RESULT 11
US-09-215-649A-11
Sequence 11: Application US/09215649A
Patent No. 6271349
GENERAL INFORMATION:
APPLICANT: Anderson, Dirk M.
APPLICANT: Galibert, Laurent
APPLICANT: Maraskovsky, Eugene
TITLE OF INVENTION: Receptor Activator of NF-kappaB
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation, Law Department
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/215,649A
FILING DATE: 17-Dec-1998
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/996,139
FILING DATE: <unknown>
APPLICATION NUMBER: USSN 08/813,509
FILING DATE: 07 MARCH 1997
APPLICATION NUMBER: USSN 08/772,330
FILING DATE: 23 DECEMBER 1996
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2851-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)233-0644
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 294 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-09-215-649A-11

```

```

Query Match      78.7%: Score 1326.5; DB 4; Length 294;
Best Local Similarity 84.5%: Pred. No. 4.4e-127;
Matches 250: Conservative 16; Mismatches 27; Indels 3; Gaps 2;

```

DB	Sequence	Score	Length	Indels	Gaps
23	GAPHEGRLH-APPAPAPHPAPASRSMPFALLGLIGOVCSVALFFYFRAMDNRRISE	81			
1	GVPHEGRLHAPASAPAPAPASRSMPFALLGLIGOVCSVALFFYFRAMDNRRISE	60			
82	DGTHCIYRLRLHENAADPDOTLTLESODTKLIPDSRRIRKQAFQAGAVOKELQHVGSQHR	141			
61	DSTHCFYRLRLHENAADPDOTLTLESODTKLIPDSRRIRKQAFQAGAVOKELQHVGSQHR	118			
142	AEKAVDGSMLDLAKRSKLEAPAFALHTINATDIPSGSHKVSLSMYHNRGNAKISNMTF	201			
119	GAPAMMEGSLDVAORGRKPEAFALHTINASTIPSGSHKVSLSMYHNRGNAKISNMTL	178			
202	SNCKLLVNDGFFYYLYANICFRHNETSGDLATEYLQLMVYVTKTSIKIPSSHTLKKGST	261			
179	SNCKLLVNDGFFYYLYANICFRHNETSGDLATEYLQLMVYVTKTSIKIPSSHTLKKGST	238			
262	KYWSGNSFHFYSINVGCFKLRSGEETISVENPSLLDPDDATYFGAFKYVDID	317			
239	KYWSGNSFHFYSINVGCFKLRSGEETISVENPSLLDPDDATYFGAFKYVDID	294			



COMPUTER: Apple Macintosh  
OPERATING SYSTEM: Apple 7.5.2  
SOFTWARE: Microsoft Word, Version 6.0.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/670.354  
FILING DATE: 25-JUN-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/496,632  
FILING DATE: 29-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/548,368  
FILING DATE: 01-NOV-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Anderson, Kathryn A.  
REGISTRATION NUMBER: 32,172  
REFERENCE/DOCKET NUMBER: 2835-B  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 587-0430  
TELEFAX: (206) 233-0644  
TELEX: 756822  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 281 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-670-354-2

Query Match 14.9%: Score 251.5; DB 1: Length 281;

Best Local Similarity 24.1%: Pred. No. 1.6e-17;

Matches 71: Conservative 61; Mismatches 117; Indels 45; Gaps 10;

OY 42 PAASRSMFVALLGLGGOVCSVALFFYFRAMD--PNRISEDGTHCIYRILRLHENDF 99  
I : : : : : I : : : : : I : : : : : I : : : : : I : : : : : I : : : : :  
DB 10 PSLGOTCVLIIVFTVLQSLCAVAVTVYFTNELKQMDKYSKGIACF-----LKED--- 61  
OY 100 ODTTLESODTKLIPDSCRIRKQAFQGAVOKELOHIYVSOHITRAEKAMVDGSHLDLAKRSK 159  
I : : : : : I : : : : : I : : : : : I : : : : : I : : : : : I : : : : :  
DB 62 -DSYMDPNDEESMNSPCQOVKW-----QLROLVRKMLLTSEETI-----STVOEKO 107  
OY 160 LEAPF-----AHLT-----INATDIPSGSHKVSLS--SSWYHDR-GMAKISNM 199  
I : : : : : I : : : : : I : : : : : I : : : : : I : : : : : I : : : : :  
DB 108 QNISPLVBERGFORVAHAHITGTRGRSNTLSSPNSKNEKALGRKINSMESSRSCHSFLSNL 167  
OY 200 TFSNGKLIYNODGFYLLVNICFRNHETSGDLATEYLQLMVYVTKTSIKIPSSHTLMKGG 259  
I : : : : : I : : : : : I : : : : : I : : : : : I : : : : : I : : : : :  
DB 168 HLRNGELVIEHKGFIYISQTFYFRQOEIKENTKNDKQWQYIYKYT-SYDPDILMKSA 226  
OY 260 STRYWSGNSERFIYFSINWCGFFKLRSGEISIEVSNPSLLDPDODATYFGAFKV 313  
I : : : : : I : : : : : I : : : : : I : : : : : I : : : : : I : : : : :  
DB 227 RNSCWSKDAEYGLYSIYOGIFELKENDRIFVSVTNEHLIDMDHEASFGAFVL 280

RESULT 15

US-08-584-031-1

Sequence 1, Application US/08584031A

Patent No. 6030945

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.

TITLE OF INVENTION: APO-2 LIGAND

FILE REFERENCE: 11669.22US03

CURRENT APPLICATION NUMBER: US/08/584.031A

FILING DATE: 1996-01-09

NUMBER OF SEQ ID NOS: 17

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 1

LENGTH: 281

TYPE: PRT

ORGANISM: Homo sapiens

US-08-584-031-1

Query Match 14.9%: Score 251.5; DB 3: Length 281;

Best Local Similarity 24.1%: Pred. No. 1.6e-17;

Matches 71: Conservative 61; Mismatches 117; Indels 45; Gaps 10;

OY 42 PAASRSMFVALLGLGGOVCSVALFFYFRAMD--PNRISEDGTHCIYRILRLHENDF 99  
I : : : : : I : : : : : I : : : : : I : : : : : I : : : : : I : : : : :  
DB 10 PSLGOTCVLIIVFTVLQSLCAVAVTVYFTNELKQMDKYSKGIACF-----LKED--- 61  
OY 100 ODTTLESODTKLIPDSCRIRKQAFQGAVOKELOHIYVSOHITRAEKAMVDGSHLDLAKRSK 159  
I : : : : : I : : : : : I : : : : : I : : : : : I : : : : : I : : : : :  
DB 62 -DSYMDPNDEESMNSPCQOVKW-----QLROLVRKMLLTSEETI-----STVOEKO 107  
OY 160 LEAPF-----AHLT-----INATDIPSGSHKVSLS--SSWYHDR-GMAKISNM 199  
I : : : : : I : : : : : I : : : : : I : : : : : I : : : : : I : : : : :  
DB 108 QNISPLVBERGFORVAHAHITGTRGRSNTLSSPNSKNEKALGRKINSMESSRSCHSFLSNL 167  
OY 200 TFSNGKLIYNODGFYLLVNICFRNHETSGDLATEYLQLMVYVTKTSIKIPSSHTLMKGG 259  
I : : : : : I : : : : : I : : : : : I : : : : : I : : : : : I : : : : :  
DB 168 HLRNGELVIEHKGFIYISQTFYFRQOEIKENTKNDKQWQYIYKYT-SYDPDILMKSA 226  
OY 260 STRYWSGNSERFIYFSINWCGFFKLRSGEISIEVSNPSLLDPDODATYFGAFKV 313  
I : : : : : I : : : : : I : : : : : I : : : : : I : : : : : I : : : : :  
DB 227 RNSCWSKDAEYGLYSIYOGIFELKENDRIFVSVTNEHLIDMDHEASFGAFVL 280

Search completed: March 13, 2003, 18:25:57  
Job time : 13.9705 secs



GenCore version 5.1.4-p5.4578  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 13, 2003, 18:24:22 : Search time 146.308 Seconds

(without alignments)  
1396.922 Million cell updates/sec

Title: US-09-865-363-13

Perfect score: 1685

Sequence: 1 MRRASRDYTKYLKSGSEMGCG.....LLDPDQATYFGAFKVRDID 317

Scoring table: BLOSUM62

Gapop 10.0, Capext 0.5

Searched: 4569144 seqs, 644733110 residues

Total number of hits satisfying chosen parameters: 4569144

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Pending Patents\_AA\_Main:\*

1: /cgn2\_6/ptodata/2/paa/US086.COMB.pep.\*  
2: /cgn2\_6/ptodata/2/paa/US06.COMB.pep.\*  
3: /cgn2\_6/ptodata/2/paa/US07.COMB.pep.\*  
4: /cgn2\_6/ptodata/2/paa/US080.COMB.pep.\*  
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10: /cgn2\_6/ptodata/2/paa/US086.COMB.pep.\*  
11: /cgn2\_6/ptodata/2/paa/US087.COMB.pep.\*  
12: /cgn2\_6/ptodata/2/paa/US088.COMB.pep.\*  
13: /cgn2\_6/ptodata/2/paa/US089.COMB.pep.\*  
14: /cgn2\_6/ptodata/2/paa/US090.COMB.pep.\*  
15: /cgn2\_6/ptodata/2/paa/US091.COMB.pep.\*  
16: /cgn2\_6/ptodata/2/paa/US092.COMB.pep.\*  
17: /cgn2\_6/ptodata/2/paa/US093.COMB.pep.\*  
18: /cgn2\_6/ptodata/2/paa/US094.COMB.pep.\*  
19: /cgn2\_6/ptodata/2/paa/US095.COMB.pep.\*  
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21: /cgn2\_6/ptodata/2/paa/US097.COMB.pep.\*  
22: /cgn2\_6/ptodata/2/paa/US098.COMB.pep.\*  
23: /cgn2\_6/ptodata/2/paa/US099.COMB.pep.\*  
24: /cgn2\_6/ptodata/2/paa/US100.COMB.pep.\*  
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26: /cgn2\_6/ptodata/2/paa/US102.COMB.pep.\*  
27: /cgn2\_6/ptodata/2/paa/US60.COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1685	100.0	317	1	PCT-US01-26101-2
2	1685	100.0	317	1	PCT-US02-16002-10
3	1685	100.0	317	1	PCT-US02-23782-22
4	1685	100.0	317	1	PCT-US02-23809-22
5	1685	100.0	317	1	PCT-US98-07584-4
6	1685	100.0	317	12	US-08-880-855-39

7	1685	100.0	317	16	US-09-202-455-11	Sequence 11, Appl
8	1685	100.0	317	17	US-09-396-937-2	Sequence 2, Appl
9	1685	100.0	317	18	US-09-442-029A-13	Sequence 13, Appl
10	1685	100.0	317	18	US-09-466-496-13	Sequence 13, Appl
11	1685	100.0	317	19	US-09-577-800-13	Sequence 13, Appl
12	1685	100.0	317	20	US-09-687-809-13	Sequence 13, Appl
13	1685	100.0	317	20	US-09-688-459-13	Sequence 13, Appl
14	1685	100.0	317	21	US-09-705-985-8	Sequence 8, Appl
15	1685	100.0	317	21	US-09-787-126-2	Sequence 2, Appl
16	1685	100.0	317	21	US-09-791-537-7	Sequence 141193
17	1685	100.0	317	22	US-09-813-329-7	Sequence 7, Appl
18	1685	100.0	317	22	US-09-865-363-13	Sequence 13, Appl
19	1685	100.0	317	22	US-09-871-291-13	Sequence 13, Appl
20	1685	100.0	317	22	US-09-871-956-13	Sequence 13, Appl
21	1685	100.0	317	22	US-09-877-550-13	Sequence 13, Appl
22	1685	100.0	317	23	US-09-957-944-6	Sequence 6, Appl
23	1685	100.0	317	25	US-10-151-071-10	Sequence 10, Appl
24	1685	100.0	317	25	US-10-167-182-11	Sequence 11, Appl
25	1685	100.0	317	26	US-10-202-062-22	Sequence 22, Appl
26	1685	100.0	317	26	US-10-218-547-22	Sequence 22, Appl
27	1424.5	84.5	316	23	US-09-957-944-8	Sequence 8, Appl
28	1417.5	84.1	316	1	PCT-US01-26101-16	Sequence 16, Appl
29	1417.5	84.1	316	1	PCT-US02-09271-2	Sequence 2, Appl
30	1417.5	84.1	316	1	PCT-US98-07584-2	Sequence 2, Appl
31	1417.5	84.1	316	13	US-08-880-855-37	Sequence 4, Appl
32	1417.5	84.1	316	12	US-08-989-479-4	Sequence 4, Appl
33	1417.5	84.1	316	14	US-09-034-099-4	Sequence 4, Appl
34	1417.5	84.1	316	14	US-09-079-088-7	Sequence 7, Appl
35	1417.5	84.1	316	14	US-09-079-088A-7	Sequence 7, Appl
36	1417.5	84.1	316	14	US-09-079-569-7	Sequence 7, Appl
37	1417.5	84.1	316	14	US-09-096-751-4	Sequence 4, Appl
38	1417.5	84.1	316	16	US-09-202-455-1	Sequence 1, Appl
39	1417.5	84.1	316	16	US-09-210-115-4	Sequence 4, Appl
40	1417.5	84.1	316	17	US-09-305-344A-7	Sequence 7, Appl
41	1417.5	84.1	316	17	US-09-386-937-4	Sequence 4, Appl
42	1417.5	84.1	316	17	US-09-396-937-6	Sequence 6, Appl
43	1417.5	84.1	316	18	US-09-447-035-4	Sequence 4, Appl
44	1417.5	84.1	316	20	US-09-671-658A-2	Sequence 2, Appl
45	1417.5	84.1	316	21	US-09-787-126-4	Sequence 4, Appl

#### ALIGNMENTS

RESULT 1

PCT-US01-26101-2

Sequence 2, Application PCT/US0126101

GENERAL INFORMATION:

APPLICANT: University of Massachusetts Medical Center

TITLE OF INVENTION: TRANCE REGULATION OF CHONDROCYTE DIFFERENTIATION

FILE REFERENCE: 07917-120M01

CURRENT APPLICATION NUMBER: PCT/US01/26101

CURRENT FILING DATE: 2001-08-20

PRIOR APPLICATION NUMBER: US/60/226,197

PRIOR FILING DATE: 2000-08-18

NUMBER OF SEQ ID NOS: 19

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 2

LENGTH: 317

TYPE: PRT

ORGANISM: Homo sapiens

PCT-US01-26101-2

Query Match	100.0%	Score 1685	DB 1	Length 317
Best Local Similarity	100.0%	Pred. No. 4.3e-152		
Matches 317: Conservative	0	Mismatches	0	Gaps 0
OY	1	MRRASRDYTKYLKSGSEMGCGAPHEGLAHPAPAPPAASRSMFVALLGLGLOV	60	
DB	1	MRRASRDYTKYLKSGSEMGCGAPHEGLAHPAPAPPAASRSMFVALLGLGLOV	60	
OY	61	VCSVALFFRAQMDPNRISDCNHCYIRLRLHENAQFDTTLESQTKLIPDSGRK	120	

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Db      61  VCSVALFFFYFRAQNDPNRI SEDGTHCIYRLRLHLENADFOOTLESQOTKLIPDSCRRIK 120

Oy      121  OAFQCAVOKELQIHVGSQHIRAEKAMNDGSHDLAKRSKLEAOPRAHLTINATDIPSSSH 180
         |||||||
Db      121  OAFQCAVOKELQIHVGSQHIRAEKAMNDGSHDLAKRSKLEAOPRAHLTINATDIPSSSH 180

Oy      181  KVSLSWYHDRCMAKISMFTFSGNGLIYNODGFYLYANICFRNHETSGDLATEYLQLMV 240
         |||||||
Db      181  KVSLSWYHDRCMAKISMFTFSGNGLIYNODGFYLYANICFRNHETSGDLATEYLQLMV 240

Oy      241  YVTKTSIKIPSSHTLMKGGSTKYWSGNSFHFYSINVGGFPLKRSGEESIEVSNPSILD 300
         |||||||
Db      241  YVTKTSIKIPSSHTLMKGGSTKYWSGNSFHFYSINVGGFPLKRSGEESIEVSNPSILD 300

Oy      301  PDDATYFGAFKVRDID 317
         |||||||
Db      301  PDDATYFGAFKVRDID 317

RESULT 2
PCT-US02-16002-10
: Sequence 10, Application PC/TUS0216002
: GENERAL INFORMATION:
: APPLICANT: Immunex Corporation
: APPLICANT: DOUGALL, William
: APPLICANT: ANDERSON, Dirk
: TITLE OF INVENTION: THERAPEUTIC USES OF RANK ANTAGONISTS
: FILE REFERENCE: 3277-WO
: CURRENT APPLICATION NUMBER: PCT/US02/16002
: CURRENT FILING DATE: 2002-05-17
: PRIOR APPLICATION NUMBER: 60/291,919
: PRIOR FILING DATE: 2001-05-17
: NUMBER OF SEQ ID NOS: 10
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 10
: LENGTH: 317
: TYPE: PRT
: ORGANISM: Homo sapiens
PCT-US02-16002-10

Query Match      100.0%: Score 1685; DB 1: Length 317;
Best Local Similarity 100.0%: Pred. No. 4,3e-152;
Matches 317: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1  MRRASRDYTKYLKSGSEMCGCPARHEGFLHAPPPAPHPAPASRSMFVALLGLGLOV 60
         |||||||
Db      1  MRRASRDYTKYLKSGSEMCGCPARHEGFLHAPPPAPHPAPASRSMFVALLGLGLOV 60

Oy      61  VCSVALFFFYFRAQNDPNRI SEDGTHCIYRLRLHLENADFOOTLESQOTKLIPDSCRRIK 120
         |||||||
Db      61  VCSVALFFFYFRAQNDPNRI SEDGTHCIYRLRLHLENADFOOTLESQOTKLIPDSCRRIK 120

Oy      121  OAFQCAVOKELQIHVGSQHIRAEKAMNDGSHDLAKRSKLEAOPRAHLTINATDIPSSSH 180
         |||||||
Db      121  OAFQCAVOKELQIHVGSQHIRAEKAMNDGSHDLAKRSKLEAOPRAHLTINATDIPSSSH 180

Oy      181  KVSLSWYHDRCMAKISMFTFSGNGLIYNODGFYLYANICFRNHETSGDLATEYLQLMV 240
         |||||||
Db      181  KVSLSWYHDRCMAKISMFTFSGNGLIYNODGFYLYANICFRNHETSGDLATEYLQLMV 240

Oy      241  YVTKTSIKIPSSHTLMKGGSTKYWSGNSFHFYSINVGGFPLKRSGEESIEVSNPSILD 300
         |||||||
Db      241  YVTKTSIKIPSSHTLMKGGSTKYWSGNSFHFYSINVGGFPLKRSGEESIEVSNPSILD 300

Oy      301  PDDATYFGAFKVRDID 317
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Db      301  PDDATYFGAFKVRDID 317

RESULT 3
PCT-US02-23782-22
: Sequence 22, Application PC/TUS0223782
: GENERAL INFORMATION:

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[illegible]

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OY 61 VCSVALFFYFRAQMDPNRISSEDTGHCYRILRLHENADFODTTLESODTKLIPDSCRRIK 120
    |||||||
DB 61 VCSVALFFYFRAQMDPNRISSEDTGHCYRILRLHENADFODTTLESODTKLIPDSCRRIK 120
OY 121 QAFQGAOVOKELQIHVGSOHIRAEKAMVDGSMIDLAKRSKLEOPFAHLTINATDIPSGSH 180
    |||||||
DB 121 QAFQGAOVOKELQIHVGSOHIRAEKAMVDGSMIDLAKRSKLEOPFAHLTINATDIPSGSH 180
OY 181 KVSLSWYHRCMAKISNMTFSGKLIYNQDGFYLLYANICFRHHETSGDLATEYLQLMV 240
    |||||||
DB 181 KVSLSWYHRCMAKISNMTFSGKLIYNQDGFYLLYANICFRHHETSGDLATEYLQLMV 240
OY 241 VYTKTSIKIPSSHTLMKGGSTKYWGSNSEFHFYSINVGFFKLRSGEETISIEVSNPSLLD 300
    |||||||
DB 241 VYTKTSIKIPSSHTLMKGGSTKYWGSNSEFHFYSINVGFFKLRSGEETISIEVSNPSLLD 300
OY 301 PPODATYFGAFKVRDID 317
    |||||||
DB 301 PPODATYFGAFKVRDID 317

```

## RESULT 5

PCT-US98-07584-4  
Sequence 4, Application PC/TUS9807584

```

GENERAL INFORMATION:
APPLICANT: Amgen Inc.
TITLE OF INVENTION: OSTEOPROTEGERIN BINDING PROTEINS AND
RECEPTORS
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: One Amgen Center Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US98/07584
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-451B
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 317 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US98-07584-4

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Query Match 100.0%; Score 1685; DB 1; Length 317;

Best Local Similarity 100.0%; Pred. No. 4.3e-152;

Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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OY 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPLHAPPAPHPAPPAASRSMFVALLGLGLGV 60
    |||||||
DB 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPLHAPPAPHPAPPAASRSMFVALLGLGLGV 60
OY 61 VCSVALFFYFRAQMDPNRISSEDTGHCYRILRLHENADFODTTLESODTKLIPDSCRRIK 120
    |||||||
DB 61 VCSVALFFYFRAQMDPNRISSEDTGHCYRILRLHENADFODTTLESODTKLIPDSCRRIK 120
OY 121 QAFQGAOVOKELQIHVGSOHIRAEKAMVDGSMIDLAKRSKLEOPFAHLTINATDIPSGSH 180
    |||||||
DB 121 QAFQGAOVOKELQIHVGSOHIRAEKAMVDGSMIDLAKRSKLEOPFAHLTINATDIPSGSH 180
OY 301 PPODATYFGAFKVRDID 317
    |||||||
DB 301 PPODATYFGAFKVRDID 317

```

```

OY 181 KVSLSWYHRCMAKISNMTFSGKLIYNQDGFYLLYANICFRHHETSGDLATEYLQLMV 240
    |||||||
DB 181 KVSLSWYHRCMAKISNMTFSGKLIYNQDGFYLLYANICFRHHETSGDLATEYLQLMV 240
OY 241 VYTKTSIKIPSSHTLMKGGSTKYWGSNSEFHFYSINVGFFKLRSGEETISIEVSNPSLLD 300
    |||||||
DB 241 VYTKTSIKIPSSHTLMKGGSTKYWGSNSEFHFYSINVGFFKLRSGEETISIEVSNPSLLD 300
OY 301 PPODATYFGAFKVRDID 317
    |||||||
DB 301 PPODATYFGAFKVRDID 317

```

## RESULT 6

US-08-880-855-39  
Sequence 39, Application US/08880855

```

GENERAL INFORMATION:
APPLICANT: Boyle, William J.
TITLE OF INVENTION: Osteoprotegerin Binding Proteins
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: One Amgen Center Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US-08/880,855
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-451A
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 317 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-880-855-39

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Query Match 100.0%; Score 1685; DB 12; Length 317;

Best Local Similarity 100.0%; Pred. No. 4.3e-152;

Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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OY 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPLHAPPAPHPAPPAASRSMFVALLGLGLGV 60
    |||||||
DB 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPLHAPPAPHPAPPAASRSMFVALLGLGLGV 60
OY 61 VCSVALFFYFRAQMDPNRISSEDTGHCYRILRLHENADFODTTLESODTKLIPDSCRRIK 120
    |||||||
DB 61 VCSVALFFYFRAQMDPNRISSEDTGHCYRILRLHENADFODTTLESODTKLIPDSCRRIK 120
OY 121 QAFQGAOVOKELQIHVGSOHIRAEKAMVDGSMIDLAKRSKLEOPFAHLTINATDIPSGSH 180
    |||||||
DB 121 QAFQGAOVOKELQIHVGSOHIRAEKAMVDGSMIDLAKRSKLEOPFAHLTINATDIPSGSH 180
OY 181 KVSLSWYHRCMAKISNMTFSGKLIYNQDGFYLLYANICFRHHETSGDLATEYLQLMV 240
    |||||||
DB 181 KVSLSWYHRCMAKISNMTFSGKLIYNQDGFYLLYANICFRHHETSGDLATEYLQLMV 240
OY 241 VYTKTSIKIPSSHTLMKGGSTKYWGSNSEFHFYSINVGFFKLRSGEETISIEVSNPSLLD 300
    |||||||
DB 241 VYTKTSIKIPSSHTLMKGGSTKYWGSNSEFHFYSINVGFFKLRSGEETISIEVSNPSLLD 300
OY 301 PPODATYFGAFKVRDID 317
    |||||||
DB 301 PPODATYFGAFKVRDID 317

```

Db 301 PPODATYFGAFKVRDID 317

RESULT 7  
US-09-202-455-11

; Sequence 11, Application US/09202455

; GENERAL INFORMATION:

; APPLICANT: Yamaguchi, Kyoji  
; APPLICANT: Yasuda, Hisataka  
; APPLICANT: Nakagawa, Nobuyuki  
; APPLICANT: Shima, Nobuyuki  
; APPLICANT: Kinoshita, Masahiko  
; APPLICANT: Tsuda, Eisuke  
; APPLICANT: Coto, Masaki  
; APPLICANT: Yano, Kazuki  
; APPLICANT: Tomoyasu, Akihito  
; APPLICANT: Kobayashi, Fumie  
; APPLICANT: Washida, Naohiro  
; APPLICANT: Takahashi, Ken  
; APPLICANT: Morinaga, Tomonori  
; APPLICANT: Higashio, Kanji  
; TITLE OF INVENTION: Novel Protein and Method for Producing the Protein  
; FILE REFERENCE: FJN-070  
; CURRENT APPLICATION NUMBER: US/09/202,455  
; EARLIER FILING DATE: 1998-12-15  
; EARLIER APPLICATION NUMBER: JP 97808/1997  
; EARLIER FILING DATE: 1997-04-15  
; EARLIER APPLICATION NUMBER: JP 151434/1997  
; EARLIER FILING DATE: 1997-06-09  
; EARLIER APPLICATION NUMBER: JP 217897/1997  
; EARLIER FILING DATE: 1997-08-12  
; EARLIER APPLICATION NUMBER: JP 224803/1997  
; EARLIER FILING DATE: 1997-08-21  
; EARLIER APPLICATION NUMBER: JP 332241/1997  
; EARLIER FILING DATE: 1997-12-02  
; EARLIER APPLICATION NUMBER: WO PCT/JP98/01728  
; EARLIER FILING DATE: 1998-04-15  
; NUMBER OF SEQ ID NOS: 19  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 317  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-202-455-11

Query Match 100.0%; Score 1685; DB 16; Length 317;

Best Local Similarity 100.0%; Pred. No. 4,3e-152;

Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRASDYTKYLRGSEMGCGPAPHEGPHAPPPAPHPAPPAASRSMFVALLGLGCGV 60  
DB 1 MRRASDYTKYLRGSEMGCGPAPHEGPHAPPPAPHPAPPAASRSMFVALLGLGCGV 60  
QY 61 VCSVALFFYFRAMDPNRI SEDGTHCTIVRLRHENADPODTTLESODTKLIPDSORRIK 120  
DB 61 VCSVALFFYFRAMDPNRI SEDGTHCTIVRLRHENADPODTTLESODTKLIPDSORRIK 120  
QY 121 QAFQGAVOKELOHIYVSGOHIRAEKAVDGSMDLAKRSKLEAPFAHLTINATDIPSGSH 180  
DB 121 QAFQGAVOKELOHIYVSGOHIRAEKAVDGSMDLAKRSKLEAPFAHLTINATDIPSGSH 180  
QY 121 QAFQGAVOKELOHIYVSGOHIRAEKAVDGSMDLAKRSKLEAPFAHLTINATDIPSGSH 180  
DB 121 QAFQGAVOKELOHIYVSGOHIRAEKAVDGSMDLAKRSKLEAPFAHLTINATDIPSGSH 180  
QY 181 KVSLSWYHIDRGWAKISNMTFSGKLIIVNODGFYLYANICFRNHETSGDLATEYLQLMV 240  
DB 181 KVSLSWYHIDRGWAKISNMTFSGKLIIVNODGFYLYANICFRNHETSGDLATEYLQLMV 240  
QY 241 YVTKTSIKIPSSHHTLKKGSTKRWGNSGFHFYSINVGGFPLRSGEETISIEVSNPSLLD 300  
DB 241 YVTKTSIKIPSSHHTLKKGSTKRWGNSGFHFYSINVGGFPLRSGEETISIEVSNPSLLD 300  
QY 301 PPODATYFGAFKVRDID 317  
DB 301 PPODATYFGAFKVRDID 317

RESULT 8

US-09-396-937-2

; Sequence 2, Application US/09396937

; GENERAL INFORMATION:

; APPLICANT: M&E Biotech A/S  
; APPLICANT: Halkier, Torben  
; APPLICANT: Haaning, Jesper  
; TITLE OF INVENTION: Method for Down-Regulating Osteoprotegerin Ligand  
; FILE REFERENCE: 22021 PC 1  
; CURRENT APPLICATION NUMBER: US/09/396,937  
; CURRENT FILING DATE: 1999-09-15  
; NUMBER OF SEQ ID NOS: 35  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 317  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-396-937-2

Query Match 100.0%; Score 1685; DB 17; Length 317;

Best Local Similarity 100.0%; Pred. No. 4,3e-152;

Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRASDYTKYLRGSEMGCGPAPHEGPHAPPPAPHPAPPAASRSMFVALLGLGCGV 60  
DB 1 MRRASDYTKYLRGSEMGCGPAPHEGPHAPPPAPHPAPPAASRSMFVALLGLGCGV 60  
QY 61 VCSVALFFYFRAMDPNRI SEDGTHCTIVRLRHENADPODTTLESODTKLIPDSORRIK 120  
DB 61 VCSVALFFYFRAMDPNRI SEDGTHCTIVRLRHENADPODTTLESODTKLIPDSORRIK 120  
QY 121 QAFQGAVOKELOHIYVSGOHIRAEKAVDGSMDLAKRSKLEAPFAHLTINATDIPSGSH 180  
DB 121 QAFQGAVOKELOHIYVSGOHIRAEKAVDGSMDLAKRSKLEAPFAHLTINATDIPSGSH 180  
QY 181 KVSLSWYHIDRGWAKISNMTFSGKLIIVNODGFYLYANICFRNHETSGDLATEYLQLMV 240  
DB 181 KVSLSWYHIDRGWAKISNMTFSGKLIIVNODGFYLYANICFRNHETSGDLATEYLQLMV 240  
QY 241 YVTKTSIKIPSSHHTLKKGSTKRWGNSGFHFYSINVGGFPLRSGEETISIEVSNPSLLD 300  
DB 241 YVTKTSIKIPSSHHTLKKGSTKRWGNSGFHFYSINVGGFPLRSGEETISIEVSNPSLLD 300  
QY 301 PPODATYFGAFKVRDID 317  
DB 301 PPODATYFGAFKVRDID 317

RESULT 9  
US-09-442-029A-13  
; Sequence 13, Application US/09442029A  
; GENERAL INFORMATION:  
; APPLICANT: Hughes, Anne E.  
; APPLICANT: Anderson, Dirk  
; TITLE OF INVENTION: Receptor Activator of NF-kappa B  
; FILE REFERENCE: 2851-C  
; CURRENT APPLICATION NUMBER: US/09/442,029A  
; CURRENT FILING DATE: 1999-11-17  
; PRIOR APPLICATION NUMBER: 09/215,649  
; PRIOR FILING DATE: 1998-12-17  
; PRIOR APPLICATION NUMBER: 08/996,139  
; PRIOR FILING DATE: 1997-12-22  
; PRIOR APPLICATION NUMBER: 60/064,671  
; PRIOR FILING DATE: 1997-03-07  
; PRIOR APPLICATION NUMBER: 60/059,978  
; PRIOR FILING DATE: 1996-12-23  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 13  
; LENGTH: 317  
; TYPE: PRT

ORGANISM: Homo sapiens  
US-09-442-029A-13

Query Match 100.0%; Score 1685; DB 18; Length 317;  
Best Local Similarity 100.0%; Pred. No. 4.3e-152;  
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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OY 1 MRRASRDYTKYLRGSEMGCGAPHEGLHAPPPAPHPAPPAASRSMVALLGLGLGV 60
DB 1 MRRASRDYTKYLRGSEMGCGAPHEGLHAPPPAPHPAPPAASRSMVALLGLGLGV 60
OY 61 VCSVALFEYFRAMPNRISEDTGHCYRILRLHENAPODTTLESODTKLIPDSRRIK 120
DB 61 VCSVALFEYFRAMPNRISEDTGHCYRILRLHENAPODTTLESODTKLIPDSRRIK 120
OY 121 QAFQAVOKELQIHVGSQHIRAEKAVDGSWLDLAKRSKLEOPFAHLTINATDIPSGSH 180
DB 121 QAFQAVOKELQIHVGSQHIRAEKAVDGSWLDLAKRSKLEOPFAHLTINATDIPSGSH 180
OY 181 KVSLSWYHRCMAKISNMTFSGKLIYNODGFYLYANICFRHHTSGDLATEYLQLV 240
DB 181 KVSLSWYHRCMAKISNMTFSGKLIYNODGFYLYANICFRHHTSGDLATEYLQLV 240
OY 241 VYTKTSIKIPSSHTLMKGGSTKYWGSNPFHFSYINVGFFFKLRSGEISIEVSNPSLLD 300
DB 241 VYTKTSIKIPSSHTLMKGGSTKYWGSNPFHFSYINVGFFFKLRSGEISIEVSNPSLLD 300
OY 301 PPODATYFGAFKVRDID 317
DB 301 PPODATYFGAFKVRDID 317

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RESULT 10  
US-09-466-496-13

Sequence 13, Application US/09466496  
GENERAL INFORMATION:

APPLICANT: Anderson, Dirk M.

Maraskovsky, Eugene

TITLE OF INVENTION: Receptor Activator of NF-kappaB

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Immunex Corporation, Law Department

STREET: 51 University Street

CITY: Seattle

STATE: WA

COUNTRY: USA

ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: Apple Power Macintosh

OPERATING SYSTEM: Apple Operating System 7.5.5

SOFTWARE: Microsoft Word for Power Macintosh 6.0.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/466,496

FILING DATE: 17-Dec-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/996,139

FILING DATE: 22 DECEMBER 1997

APPLICATION NUMBER: USSN 60/064,671

FILING DATE: 14 OCTOBER 1997

APPLICATION NUMBER: USSN 08/813,509

FILING DATE: 07 MARCH 1997

APPLICATION NUMBER: USSN 08/772,330

FILING DATE: 23 DECEMBER 1996

ATTORNEY/AGENT INFORMATION:

NAME: Perkins, Patricia Anne

REGISTRATION NUMBER: 34,693

REFERENCE/DOCKET NUMBER: 2851-A

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 587-0430

TELEFAX: (206) 233-0644

INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 317 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
US-09-466-496-13

Query Match 100.0%; Score 1685; DB 18; Length 317;  
Best Local Similarity 100.0%; Pred. No. 4.3e-152;  
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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OY 1 MRRASRDYTKYLRGSEMGCGAPHEGLHAPPPAPHPAPPAASRSMVALLGLGLGV 60
DB 1 MRRASRDYTKYLRGSEMGCGAPHEGLHAPPPAPHPAPPAASRSMVALLGLGLGV 60
OY 61 VCSVALFEYFRAMPNRISEDTGHCYRILRLHENAPODTTLESODTKLIPDSRRIK 120
DB 61 VCSVALFEYFRAMPNRISEDTGHCYRILRLHENAPODTTLESODTKLIPDSRRIK 120
OY 121 QAFQAVOKELQIHVGSQHIRAEKAVDGSWLDLAKRSKLEOPFAHLTINATDIPSGSH 180
DB 121 QAFQAVOKELQIHVGSQHIRAEKAVDGSWLDLAKRSKLEOPFAHLTINATDIPSGSH 180
OY 181 KVSLSWYHRCMAKISNMTFSGKLIYNODGFYLYANICFRHHTSGDLATEYLQLV 240
DB 181 KVSLSWYHRCMAKISNMTFSGKLIYNODGFYLYANICFRHHTSGDLATEYLQLV 240
OY 241 VYTKTSIKIPSSHTLMKGGSTKYWGSNPFHFSYINVGFFFKLRSGEISIEVSNPSLLD 300
DB 241 VYTKTSIKIPSSHTLMKGGSTKYWGSNPFHFSYINVGFFFKLRSGEISIEVSNPSLLD 300
OY 301 PPODATYFGAFKVRDID 317
DB 301 PPODATYFGAFKVRDID 317

```

RESULT 11  
US-09-577-800-13

Sequence 13, Application US/09577800  
GENERAL INFORMATION:

APPLICANT: Anderson, Dirk M.

Maraskovsky, Eugene

TITLE OF INVENTION: Receptor Activator of NF-kappaB

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Immunex Corporation, Law Department

STREET: 51 University Street

CITY: Seattle

STATE: WA

COUNTRY: USA

ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: Apple Power Macintosh

OPERATING SYSTEM: Apple Operating System 7.5.5

SOFTWARE: Microsoft Word for Power Macintosh 6.0.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/577,800

FILING DATE: 24-MAY-2000

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/996,139

FILING DATE: 22 DECEMBER 1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 60/064,671

FILING DATE: 14 OCTOBER 1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 08/813,509

FILING DATE: 07 MARCH 1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 08/772,330  
FILING DATE: 23 DECEMBER 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2851-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430  
TELEFAX: (206)233-0644  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 317 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-577-800-13

Query Match 100.0%; Score 1685; DB 19; Length 317;  
Best Local Similarity 100.0%; Pred. No. 4.3e-152;  
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRRASRDYTKYLGRSEMGCGGAPHEGPLHAPPPAPHPAPASRSMFVALLGLGLGV 60  
DB 1 MRRASRDYTKYLGRSEMGCGGAPHEGPLHAPPPAPHPAPASRSMFVALLGLGLGV 60  
OY 61 VCSVALFFYFRAQMDPNRISSEDTGHCYRIILRLHENADPDTTLESODTKLLPDCSRRIK 120  
DB 61 VCSVALFFYFRAQMDPNRISSEDTGHCYRIILRLHENADPDTTLESODTKLLPDCSRRIK 120  
OY 121 QAFQCAVOKELOHIVGSOHIREAKAMVDSWLDLAKRSKLEQPPAHLTINATDIPSGSH 180  
DB 121 QAFQCAVOKELOHIVGSOHIREAKAMVDSWLDLAKRSKLEQPPAHLTINATDIPSGSH 180  
OY 181 KVSLSWYHRCMAKISNMTFSNGKLIYNODGFYLLYANICFRNHETSGLATEYLQLMV 240  
DB 181 KVSLSWYHRCMAKISNMTFSNGKLIYNODGFYLLYANICFRNHETSGLATEYLQLMV 240  
OY 241 VYTKSIKIPSSHTLMKGGSTKYWGSNSEFHYISINVGCFKLRSGEETIEVSNPSLLD 300  
DB 241 VYTKSIKIPSSHTLMKGGSTKYWGSNSEFHYISINVGCFKLRSGEETIEVSNPSLLD 300  
OY 301 PDQATYFGAFKVRDID 317  
DB 301 PDQATYFGAFKVRDID 317

RESULT 12  
US-09-687-809-13  
Sequence 13, Application US/09687809  
GENERAL INFORMATION:  
APPLICANT: Anderson, Dirk M.  
APPLICANT: Galibert, Laurent  
APPLICANT: Maraskovsky, Eugene  
TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Power Macintosh  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/687,809  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/995,659

FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USSN 08/813,509  
FILING DATE: 07 MARCH 1997  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USSN 08/772,330  
FILING DATE: 23 DECEMBER 1996  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2852-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430  
TELEFAX: (206)233-0644  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 317 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-687-809-13

Query Match 100.0%; Score 1685; DB 20; Length 317;  
Best Local Similarity 100.0%; Pred. No. 4.3e-152;  
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRRASRDYTKYLGRSEMGCGGAPHEGPLHAPPPAPHPAPASRSMFVALLGLGLGV 60  
DB 1 MRRASRDYTKYLGRSEMGCGGAPHEGPLHAPPPAPHPAPASRSMFVALLGLGLGV 60  
OY 61 VCSVALFFYFRAQMDPNRISSEDTGHCYRIILRLHENADPDTTLESODTKLLPDCSRRIK 120  
DB 61 VCSVALFFYFRAQMDPNRISSEDTGHCYRIILRLHENADPDTTLESODTKLLPDCSRRIK 120  
OY 121 QAFQCAVOKELOHIVGSOHIREAKAMVDSWLDLAKRSKLEQPPAHLTINATDIPSGSH 180  
DB 121 QAFQCAVOKELOHIVGSOHIREAKAMVDSWLDLAKRSKLEQPPAHLTINATDIPSGSH 180  
OY 181 KVSLSWYHRCMAKISNMTFSNGKLIYNODGFYLLYANICFRNHETSGLATEYLQLMV 240  
DB 181 KVSLSWYHRCMAKISNMTFSNGKLIYNODGFYLLYANICFRNHETSGLATEYLQLMV 240  
OY 241 VYTKSIKIPSSHTLMKGGSTKYWGSNSEFHYISINVGCFKLRSGEETIEVSNPSLLD 300  
DB 241 VYTKSIKIPSSHTLMKGGSTKYWGSNSEFHYISINVGCFKLRSGEETIEVSNPSLLD 300  
OY 301 PDQATYFGAFKVRDID 317  
DB 301 PDQATYFGAFKVRDID 317

RESULT 13  
US-09-688-459-13  
Sequence 13, Application US/09688459  
GENERAL INFORMATION:  
APPLICANT: Anderson, Dirk M.  
APPLICANT: Galibert, Laurent  
APPLICANT: Maraskovsky, Eugene  
TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Power Macintosh

OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/688,459  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/995,659  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USSN 08/813,509  
FILING DATE: 07 MARCH 1997  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USSN 08/772,330  
FILING DATE: 23 DECEMBER 1996  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2852-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430  
TELEFAX: (206)233-0644  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 317 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-688-459-13

Query Match 100.0%; Score 1685; DB 20; Length 317;  
Best Local Similarity 100.0%; Pred. No. 4.3e-152;  
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRASRDYTKYLGRSEEMGGPGAPHEGRLHAPPPAPHPAPPAASRSMFVALLGLGLGV 60  
DB 1 MRRASRDYTKYLGRSEEMGGPGAPHEGRLHAPPPAPHPAPPAASRSMFVALLGLGLGV 60  
QY 61 VCSVALFFYFRAQMDPNRISEDTGHCYRILRLHENDFODTTLESODTKLIPDSGRIR 120  
DB 61 VCSVALFFYFRAQMDPNRISEDTGHCYRILRLHENDFODTTLESODTKLIPDSGRIR 120  
QY 121 QAFQAVOKELOHVGSOHIRAEKAMVDGSMWDLAKRSKLEAOPFAHLTINATDIPSGSH 180  
DB 121 QAFQAVOKELOHVGSOHIRAEKAMVDGSMWDLAKRSKLEAOPFAHLTINATDIPSGSH 180  
QY 181 KVSLSWYHRCMAKISNMTFSNCKLIYNQDGFYLLANICFRHHETSGDLATEYLOLW 240  
DB 181 KVSLSWYHRCMAKISNMTFSNCKLIYNQDGFYLLANICFRHHETSGDLATEYLOLW 240  
QY 241 VYTKSIRKIPSSHTLMKGGSTKYWGSNPFHYSINWGFPLKRSGEISIEVSNPSSL 300  
DB 241 VYTKSIRKIPSSHTLMKGGSTKYWGSNPFHYSINWGFPLKRSGEISIEVSNPSSL 300  
QY 301 PDDATYFGAFKVRDID 317  
DB 301 PDDATYFGAFKVRDID 317

RESULT 14  
US-09-705-985-8  
Sequence 8, Application US/09705985  
GENERAL INFORMATION:  
APPLICANT: ANDERSON, Dirk, M.  
APPLICANT: GALIBERT, Laurent, J.  
TITLE OF INVENTION: METHOD OF INHIBITING OSTEOCLAST ACTIVITY  
FILE REFERENCE: 2874-B  
CURRENT APPLICATION NUMBER: US/09/705,985  
CURRENT FILING DATE: 2000-11-03  
PRIOR APPLICATION NUMBER: PCT/US99/10588

PRIOR FILING DATE: 1999-05-13  
PRIOR APPLICATION NUMBER: 60/085,487  
PRIOR FILING DATE: 1998-05-14  
PRIOR APPLICATION NUMBER: 60/110,836  
PRIOR FILING DATE: 1998-12-03  
PRIOR APPLICATION NUMBER: 08/996,139  
PRIOR FILING DATE: 1997-12-22  
PRIOR APPLICATION NUMBER: 60/064,671  
PRIOR FILING DATE: 1997-10-14  
PRIOR APPLICATION NUMBER: 60/077,181  
PRIOR FILING DATE: 1997-03-07  
PRIOR APPLICATION NUMBER: 60/059,978  
PRIOR FILING DATE: 1996-12-23  
NUMBER OF SEQ ID NOS: 8  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 8  
LENGTH: 317  
TYPE: PRT  
ORGANISM: Homo sapiens;  
US-09-705-985-8

Query Match 100.0%; Score 1685; DB 21; Length 317;  
Best Local Similarity 100.0%; Pred. No. 4.3e-152;  
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRASRDYTKYLGRSEEMGGPGAPHEGRLHAPPPAPHPAPPAASRSMFVALLGLGLGV 60  
DB 1 MRRASRDYTKYLGRSEEMGGPGAPHEGRLHAPPPAPHPAPPAASRSMFVALLGLGLGV 60  
QY 61 VCSVALFFYFRAQMDPNRISEDTGHCYRILRLHENDFODTTLESODTKLIPDSGRIR 120  
DB 61 VCSVALFFYFRAQMDPNRISEDTGHCYRILRLHENDFODTTLESODTKLIPDSGRIR 120  
QY 121 QAFQAVOKELOHVGSOHIRAEKAMVDGSMWDLAKRSKLEAOPFAHLTINATDIPSGSH 180  
DB 121 QAFQAVOKELOHVGSOHIRAEKAMVDGSMWDLAKRSKLEAOPFAHLTINATDIPSGSH 180  
QY 181 KVSLSWYHRCMAKISNMTFSNCKLIYNQDGFYLLANICFRHHETSGDLATEYLOLW 240  
DB 181 KVSLSWYHRCMAKISNMTFSNCKLIYNQDGFYLLANICFRHHETSGDLATEYLOLW 240  
QY 241 VYTKSIRKIPSSHTLMKGGSTKYWGSNPFHYSINWGFPLKRSGEISIEVSNPSSL 300  
DB 241 VYTKSIRKIPSSHTLMKGGSTKYWGSNPFHYSINWGFPLKRSGEISIEVSNPSSL 300  
QY 301 PDDATYFGAFKVRDID 317  
DB 301 PDDATYFGAFKVRDID 317

RESULT 15  
US-09-787-126-2  
Sequence 2, Application US/09787126  
GENERAL INFORMATION:  
APPLICANT: M&E Biotech A/S  
APPLICANT: HALKIER, Torben  
APPLICANT: HANING, Jesper  
TITLE OF INVENTION: Method for Down-Regulating Osteoprotegerin Ligand  
FILE REFERENCE: 3631-0108P  
CURRENT APPLICATION NUMBER: US/09/787,126  
CURRENT FILING DATE: 2001-10-09  
NUMBER OF SEQ ID NOS: 36  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 2  
LENGTH: 317  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-787-126-2

Query Match 100.0%; Score 1685; DB 21; Length 317;  
Best Local Similarity 100.0%; Pred. No. 4.3e-152;  
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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OY 1 MRRASRDYTKYLRGSEEMGGGAPHEGPLIAPPAPHPAPPAASRSMFVALLGLGLOV 60
Db 1 MRRASRDYTKYLRGSEEMGGGAPHEGPLIAPPAPHPAPPAASRSMFVALLGLGLOV 60.
OY 61 VCSVALFFYFRQMDPNRISSEDTGTCYRIILRLHENADFOPTTLESODTKLIPDSCRRIK 120
Db 61 VCSVALFFYFRQMDPNRISSEDTGTCYRIILRLHENADFOPTTLESODTKLIPDSCRRIK 120
OY 121 QAFQGAOVOKELQHIIVGSOHIRAEKAMVDGSWLDLAKRSKLEAQFPAHL7INATDIPSGSH 180
Db 121 QAFQGAOVOKELQHIIVGSOHIRAEKAMVDGSWLDLAKRSKLEAQFPAHL7INATDIPSGSH 180
OY 181 KVSLSWYHDCGMAKISNMTFSNGKLIYNQDGFYLYANICFRHHETSGDLATEYLQLMV 240
Db 181 KVSLSWYHDCGMAKISNMTFSNGKLIYNQDGFYLYANICFRHHETSGDLATEYLQLMV 240
OY 241 YVTKTSIKIPSSHTLMKGGSTKYWGCNSBFHFYSINVGCFKLRSGEISIEVSNPSLLD 300
Db 241 YVTKTSIKIPSSHTLMKGGSTKYWGCNSBFHFYSINVGCFKLRSGEISIEVSNPSLLD 300
OY 301 PDODATYFGAFKVRDID 317
Db 301 PDODATYFGAFKVRDID 317

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Search completed: March 13, 2003, 18:30:48  
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